

Application No.: 09/816,762

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Docket No.: 09450/000K685-USO

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims of this application.

Listing of Claims:

Claim 1 (previously presented): A solid image capturing apparatus comprising:
an image capturing device;
said image capturing device includes means for receiving an optical image;
means responsive to said optical image for conducting photoelectric conversion of said optical image to produce an image output signal;
means for generating characteristic data of said image capturing device to produce a characteristic data signal;
an output terminal;
means for outputting an output signal from output terminal; and
said means for outputting including means for outputting said output signal including both said image output signal and said characteristic data signal,
wherein said image capturing device includes an image field;
said image field includes an effective image field and an invalid image field;
said invalid image field includes characteristic data of said solid image capturing device;
said solid image capturing device includes an optical mask covering said invalid image field;
and
said optical mask includes a memory field which optically stores said characteristic data.

Claim 2 (canceled)

Claim 3 (previously presented) A solid image capturing apparatus as claimed in claim 1, wherein said invalid image field is located outside said effective image field.

Claim 4 (canceled)

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Claim 5 (currently amended): A solid image capturing apparatus, comprising:
an image capturing device;
said image capturing device includes means for receiving an optical image;
means responsive to said optical image for conducting photoelectric conversion of said
optical image to produce an image output signal;
means for generating characteristic data of said image capturing device to produce a
characteristic data signal;
an output terminal;
means for outputting an output signal from output terminal; and
said means for outputting including means for outputting said output signal including both
said image output signal and said characteristic data signal,
wherein said image capturing device includes an image field;
said image field includes an effective image field and an invalid image field;
said invalid image field includes characteristic data of said solid image capturing device;
said invalid image field includes a first memory field;
said first memory field includes non-optical means for storing said characteristic data;
said solid image capturing device includes an optical mask covering said invalid image field;
and
said optical mask includes a second memory field for optically storing said characteristic
data.

Claim 6 (original) A solid image capturing apparatus according to claim 1, further comprising:

a lens; and

said lens being integrally combined with said solid image capturing device.

Claim 7 (original): A solid image capturing apparatus according to claim 1, further comprising:

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a processing circuit for processing data output from said output terminal; and
a determining means for determining said characteristic data from said output signal.

Claim 8 (original): A solid image capturing apparatus according to claim 6, further comprising:

said lens unit containing said means for generating characteristic data;
a main body of said image capturing apparatus; and
said lens unit is adapted for interchangeable mounting on said main body, whereby,
whenever a lens is changed, characteristic data associated with said new lens is automatically
available to said solid image capturing apparatus.

Claim 9 (previously presented): An image capturing apparatus according to claim 1, further comprising:

a main body of the image capturing apparatus;
a lens unit;
means for permitting interchangeable mounting of said lens unit on said main body; and
said lens unit including therein said image capturing device.

Claim 10 (original): An image capturing apparatus as claimed in claim 8, further comprising:

a processing circuit for processing said output signal; and
a determining means for determining data that is characteristic to the solid image capturing
device and processed by the processing circuit.

Claim 11 (original): An image capturing apparatus as claimed in claim 9, wherein said main
body includes:

a processing circuit for processing said output signal; and
a determining means for determining data that is characteristic to said solid image capturing
device and processed by the processing circuit.

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